# 9. ABBREVIATIONS

## GENERAL ABBREVIATIONS

| | |
|---|---|
| ABS | American Bureau of Shipping |
| ADCP | Acoustic Doppler current profilers |
| AOML | Atlantic Oceanographic and Meteorological Laboratory |
| API | American Petroleum Institute |
| AS | Arabian Sea |
| ASREX | The Acoustic Surface Reverberation Experiment |
| AVHRR | Advance Very High Resolution Radiometer |
| BNI | Bechtel National, Incorporated |
| CDF | Cumulative Distribution Function |
| CDAS | Climate Data Assimilation System |
| CDF | Cumulative Distribution functions |
| COADS | Comprehensive Ocean Atmospheric Data Set |
| CODAR | Backscatter radar used to map surface currents |
| cph | cycles per hour |
| CU/CCAR | University of Colorado/Colorado Center for Astrodynamic Research |
| DHH | Donelan, Hamilton and Hui |
| DP | Dynamic Positioning |
| ECC | Equatorial Countercurrent |
| ECMWF | European Centre for Medium Range Weather Forecasts |
| EIC | East Indian Current |
| ERS | Microwave satellite scatterometers |
| ESA | European Space Agency |
| ESDU | Engineering Sciences Data Unit |
| FASINEX | Frontal Air-Sea Interaction Experiment |
| FFT | Fast Fourier Transform |
| FNMOC | Fleet Numerical Meteorological and Oceanographic Center |
| FORM | First Order Reliability Method |
| FOPAIR | Focused Phased Array Imaging Radar |
| GDP | Generalized Pareto Distribution |
| GEK | Geomagnetic Electrokinetograph |
| GOES | Name of a weather satellite |
| GTECCA | Global Tropical/Extra-tropical Cyclone Climatic Atlas |
| GUI | Graphical User Interface |
| HWM | Hybrid Wave Model |
| ITCZ | Intertropical Convergence Zone |
| JODC | Japanese Ocean Data Center |
| LDEO | Lamont Doherty Earth Observatory |
| LRFD | Load and Resistance Factor Design |
| MATLAB | Matrix-oriented Software Package |

| | |
|---|---|
| MLML | Mixed Layer-Marine Light experiment |
| MOB | Mobile Offshore Base |
| MOBENV | Program to read and analyze MOB ENVironmental data |
| MSU/CAST | Mississippi State University/Center for Air Sea Technology |
| NA | North Atlantic |
| NASA | National Aeronautics and Space Administration |
| NAVFAC | Naval Facilities Engineering Command |
| NAVOCEANO | Naval Oceanographic Office |
| NCAR | National Center for Atmospheric Research |
| NCDC | National Climatic Data Center |
| NCEP | U.S. National Center for Environmental Predictions |
| NDBC | National Data Buoy Center |
| NDBO | National Data Buoy Office |
| NEC | North Equatorial Current |
| NFESC | Naval Facilities Engineering Services Center |
| NIST | National Institute for Standards and Technology |
| NOAA | National Oceanic and Atmospheric Administration |
| NODC | National Ocean Data Center |
| NODC | National Ocean Data System |
| NRA | NOAA/NCEP/NCAR Reanalysis project. A climatology |
| NRL | Naval Research Laboratory |
| NSCAT | A microwave satellite sensor |
| NWP | Northwest Pacific |
| NWP | Numerical weather prediction |
| ODGP | Ocean Data Gathering Program |
| ONR | United States Office of Naval Research |
| OWI | Oceanweather, Inc. |
| OWS | Ocean Weather Station |
| P-M | Pierson-Moskowitz |
| r.m.s, rms or RMS | root mean square |
| SCDBMS | Surface Currents Data Base Management Systems |
| SEC | South Equatorial Current |
| SESMOOR | Severe Environment Surface Mooring Experiment |
| SJ | Sea of Japan |
| SMB | Sverdrup, Munk, and Brestschneider |
| SORM | Second Order Reliability Method |
| SPD | maximum wind speed |
| SRA | scanning radar altimeter |
| SSM/I | Special Satellite Microwave Imager |
| TLP | tension leg platform |
| UOP | Upper Ocean Processes Group |
| USAE-WES | U.S. Army Corps of Engineers Waterways Experiment Station |
| WADIC | A wave-measuring experiment in the North Sea |
| WAMIT | A program to compute wave forces on large submerged bodies |
| VMCM | Vector Measuring Current Meter |
| WHOI | Woods Hole Oceanographic Institution |

## ABBREVIATIONS USED FOR ENVIRONMENTAL VARIABLES IN THE MOB DATA BASE

| | |
|---|---|
| WD | Wind Direction |
| WS | Wind Speed |
| ETOT | Total Variance of Total Spectrum |
| TP | Peak Spectral Period of Total Spectrum |
| VMD | Vector Mean Direction of Total Spectrum |
| ETOTSEA | Total Variance of Primary Partition |
| TPSEA | Peak Spectral Period of Primary Partition |
| VMDSEA | Vector mean Direction of Primary Partition |
| TPSW | Peak Spectral Period of Secondary Partition |
| VMDSW | Vector Mean Direction of Secondary Partition |
| ETOTTR1 | Total Variance of First Partition |
| TPTR1 | Peak Spectral Period of First Partition |
| VMDTR1 | Vector Mean Direction First Partition |
| ETOTTR2 | Total Variance of Second Partition |
| TPTR2 | Peak Spectral Period of Second Partition |
| VMDTR2 | Vector Mean Direction of Second Partition |
| ETOTTR3 | Total Variance of Third Partition |
| TPTR3 | Peak Spectral Period of Third Partition |
| VMDTR3 | Vector Mean Direction of Third Partition |
| HS | Significant Wave Height |
| M01 | First Moment of Total Spectrum |
| M02 | Second Moment of Total Spectrum |
| CD | Current Direction |
| CS | Current Speed |
| ETOT1 | Total Variance of Primary Partition |
| TP1 | Peak Spectral Period of Primary Partition |
| VMD1 | Vector Mean Direction of Primary Partition |
| ETOT2 | Total Variance of Secondary Partition |
| TP2 | Peak spectral Period of Secondary Partition |
| VMD2 | Vector Mean Direction of Secondary Partition |
| DMDIR | Dominant Direction following Haring and Heideman procedure |
| ANGSPR | Angular Spreading Function following Gumbel, Greenwood and Durand procedure |
| INLINE | Inline Variance Ratio called Directional Spreading by Haring and Heideman |